

## TECHNICAL DATA SHEET

2AG1

ACRIVIV 70.00

Creation date  
Latest update  
Rev.

10/07/15  
28/03/25  
1

| GENERAL INFORMATION  |  |                         |
|--|--|-------------------------|
| Two-component acryl-polyisocyanate top coat with very high weather resistance, good resistance to aggressive chemicals, very low flammability (when fully catalysed), good elasticity, excellent gloss retention and high coverage. The enamel is particularly suitable for industrial use for the direct painting of metal substrates such as light alloys and galvanised iron. For application on iron, if maximum corrosion resistance is required, it is recommended to treat the substrates with our ACRIVIV PRIMER or our VIVEPOX PRIMER. The film applied is glossy (95 gloss approx.) with high surface hardness and excellent scratch resistance. |  |                         |
| FINISHED PRODUCT CHARACTERISTICS   |  |                         |
|  |  | NOTES                   |
| SPECIFIC WEIGHT  | 1.15 ± 0,1 Kg/L  |                         |
| VISCOSIT   | R3 900 cP at 20°C  | Brookfield method       |
| SOLIDS CONTENT   | 57 ± 1% (weight)<br>52 ± 1% (volume)                                 | Theoretical Mixture A+B |
| YIELD: (50 µm dry)   | 10 m <sup>2</sup> /Kg  | Theoretical             |
| BRIGHTNESS   | 100 Gloss  | Glossmeters 60°         |
| AVAILABLE COLOURS  | RAL, Pantone, NCS and by sample                                      |                         |
| CATALYSIS (pigmented)  | 25% with HDR2.001 (weight)<br>27% with HDR2.001 (volume)             |                         |
| NATURE OF THE BINDER   | Hydroxylated acrylic resin and multifunctional aliphatic isocyanates |                         |

| TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS |           |
|--|-----------|
| RESISTANCES  |           |
| ATMOSPHERIC AGENTS                                 | Excellent |
| NORMAL INDUSTRIAL ATMOSPHERE                       | Very good |
| HEAVY INDUSTRIAL ATMOSPHERE                        | Very good |
| MARINE ATMOSPHERE                                  | Good      |
| HIGH HUMIDITY ENVIRONMENTS                         | Excellent |
| ALTERNATING IMMERSION IN WATER                     | Good      |
| CONTINUOUS IMMERSION IN WATER                      | Good      |
| ORGANIC ACIDS                                      | Medium    |
| INORGANIC ACIDS AND ALKALIS                        | Good      |
| ALIFATICALS  | Very good |
| AROMATICS  | Good      |
| ALCOHOLS   | Good      |
| ACID SALTS   | Very good |
| ALCALINI SALTS                                     | Good      |
| OILS AND FATS                                      | Very good |



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|                      | 0h   | 75h      | 150h   | 220h  |
|----------------------|--|----------|--|---|
| QUV TEST (ASTM G 35) | 91 gloss   | 91 gloss | 89 gloss<br>$\Delta E$ : 0,4<br>$\Delta L$ : 0,3<br>$\Delta a$ : -0,18<br>$\Delta b$ : -0,03 | 88 gloss<br>$\Delta E$ : 0,3<br>$\Delta L$ : 0,18<br>$\Delta a$ : -0,22<br>$\Delta b$ : -0,05 |
| TEMPERATURE          | ACRIVIV 70.00 enamel (completely dried and with imperfection-free film) has a continuous heat resistance of approx. 90-100°C. Beyond this temperature the technical characteristics of the product are not guaranteed. |          |  |   |

| APPLICATION MODE     |  |
|----------------------|--|
| SPRAY (CONVENTIONAL) | Dilution 10% or ACRYLIC THINNER<br>Nozzle pressure: 3-4 atm<br>Nozzle diameter: 1.6 mm                 |
| SPRAY (AIRLESS)      | Dilution 5-10% ACRYLIC THINNER<br>Nozzle pressure: 75-100 bar<br>Diameter of the nuggets: .017"-.019". |

| HARDENING   |            |
|---|------------|
| POT LIFE  | 4 hours    |
| <i>High temperatures can also significantly reduce the time required for use.</i>                     |            |
| DUST FREE   | 40 min     |
| TOUCH FREE  | 2-4 hours  |
| DEEP HARDENING  | 8-10 hours |
| COMPLETE DRYING   | 7 days     |
| <i>Hardening can also be carried out in an oven at 80°C max (40'), after a 20-minute drying time.</i> |            |
| Hardening times may vary considerably depending on the thickness applied.                             |            |

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### OVERPAINT

The product is suitable for overpainting once applied. In the next 24 hours after application, it is advisable to sand finely.

### SURFACES PREPARATION

For ferrous supports, in order to have maximum resistance to corrosion, ACRIVIV 70.00 must be applied over a suitable nitro-resistant anticorrosive primer (VIVEPOX PRIMER or ACRIVIV PRIMER). The surfaces to be treated must in any case be dry, clean and free of grease. Any touch-ups of the polymerised finish (after 8-12 hours) can only be carried out after sanding. For stainless steel surfaces, any grease and impurities must be checked and, if necessary, completely removed, in order to have a smooth surface on which to apply.

### ENVIRONMENTAL CONDITIONS

The substrate and outside temperature must be at least 3 degrees above the dew point. At temperatures above 25-30°C, a suitable retardant thinner or a larger amount of the thinner usually used should be used in order to avoid the formation of dots and bubbles (pinpricks) on the paint film.

### TOOLS CLEANING

The tools can be cleaned from the uncured product with DILUENTE NITRO ANTINEBBIA.

### STORAGE

In a fresh and dry place, protected from direct sunlight and in a well sealed tin, ACRIVIV 70.00 is stable for at least 18 months, the HARDENER at least 6 months. Particular attention must be paid to the storage of the HARDENER which, being susceptible to react with atmospheric humidity, once opened must be consumed as soon as possible and at the same time stored in particularly dry environments.

The information given in this technical data sheet is indicative and based on our knowledge derived from experience and experimentation and can in no way constitute a guarantee. The purchaser/user decides independently on the suitability of the product for his own requirements in the context of the specific field of use. For safety information please refer to the relevant toxicological data sheet.